

37155

Date Prepared: 12/17/73  
Date Revised :

PERMIT SUMMARY TABLE

2SD OXW 2 000570  
Company: Gold Bond Building Products  
Division of National Gypsum Co.  
Location: Millington, New Jersey  
Receiving Waters: Passaic River  
MA7CD/10:

SIC: 3292  
Lat: 40° 40' 18" N  
Long: 74° 41' 33" W  
Exist. Class: FW2  
Proposed Class: A

Direct Discharges: Flow (MGD) Disch.  
Avg. Max. #'s  
Process .07 .09 001  
Non-Contact Cooling  
Sanitary

EPA Permit E/S: Lazarus  
Thermal:  
W.Q. Analysis:  
State Engr/Sci:

Parameter	Existing	Situation	W.Q.Stds. Existing (Proposed) Lbs/day	BPCTCA (3) Lbs/day	Disch. Type	Monitoring Req. Schedules		
	Present Disch. (1) (lbs/day)	Stream W.Q. (2) (mg/l)				I	II	III
<u>Thermal</u>								
Disch. No.	001							
Avg. Δ T	15 (W)	40 (W)						
°F	-5 (S)	75 (S)						
Max. T	60 (W)							
°F	80 (S)							
Max. Flow (MGD)	.09							
<u>General Parameters</u>								
pH Range	7-11	7.5		6-9 (4)	P	Dg	Mg	Mg
Alkalinity	2.3	54		(5)				
Acidity	NR	NR						
Suspended Solids	.6	A		(5)	P	Dc	Mc	Qc
Settleable Solids	NR	NR						
Color (C.U.)	NR	NR						
Turbidity (JTU)	NR	NR						
Oil & Grease	A	A		(5)				
<u>Oxygen Demanding &amp; Nutrients</u>								
TVS	.6	A		(5)				
BOD <sub>5</sub>	0	14		(5)				
COD	0	30		(5)				
TOC	NR	NR						

UOI 1046 F

Parameter as ( )	Existing Situation		W.Q. Stds. Existing (Proposed) lbs/day	BPCTCA (3) lbs/day	Monitoring Req. Schedules			
	Present Disch. (1) (lbs/day)	Stream W.Q. (2) (mg/l)			Disch. # or Type	I	II	III
Total N	.08	4.95		(5)				
Org. N (N)	0	0.7		(5)				
NH <sub>4</sub> <sup>+</sup> , NH <sub>3</sub> (N)	0	2.0		(5)				
NO <sub>2</sub> <sup>-</sup> (N)	.06	A		(5)				
NO <sub>3</sub> <sup>-</sup> (N)	.02	2.25		(5)				
Total P	0	1.1		(5)				
Ortho-P (P)	NR	NR		--				
<u>Miscellaneous Parameters</u>								
TDS	2.9	15		(5)				
Aluminum (T)	.35	A		(5)				
Iron (T)	.23	A		(5)				
Phenols	.06	A		(5)				

GENERAL NOTES

A - Absent

NR - Not Reported

EDP - Effective Date of Permit

PERMIT EFFLUENT LIMITS - The underlined effluent limits will be specified in the permit and will generally be the lowest value appearing in either the present discharge, Water Quality Standards or BPCTCA columns for those parameters that are considered significant. These limits are subject to further revision upon receipt of comments from interested or effected countries, states, agencies or members of the public as a result of public notices and hearings.

MAXIMUM EFFLUENT LIMITS - Generally maximum limits will not be specified at this time unless Water Quality considerations would require such a limitation. In those cases where maximum limits are not specified, the permit will state that after sufficient operating data has been obtained from the required abatement facilities maximum limits will be specified to reflect levels achievable by efficiently operated and reliable waste treatment facilities. If available, operating data from other similar dischargers will also be considered in establishing maximum limits.

MONITORING SCHEDULES - Monitoring will be required for all parameters limited in the permit. Schedule I is normally a comprehensive 7 day monitoring program. Followed by Schedule II which is generally a monthly program for the more significant parameters. Schedule III becomes effective once the required abatement facilities are operational. Once these facilities achieve steady state conditions Schedule IV becomes effective for the duration of the permit. Schedule IV will require monitoring of all parameters limited in the permit ranging from continuous monitoring of critical thermal discharges to annual monitoring of less significant parameters. The following abbreviations are used:

C - Continuous	Q - Quarterly	P - Process Discharge
D - Daily	A - Annual	N - Non-contact Cooling
W - Weekly	2W - Twice Weekly	Water Discharge
M - Monthly	c - Composite	S - Sanitary Discharge
	g - Grab	

\*\*The future need for effluent limits and monitoring requirements will be determined after receipt and analysis of data from Schedule I.

COMPLIANCE SCHEDULE:

Submit engineering report	- within 3 months of EDP
Complete final plans and specifications	- within 6 months of EDP
Complete construction	- within 11 months of EDP
Achieve effluent limits	- within 12 months of EDP
Provide emergency power or control discharge	- within 11 months of EDP

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1. The values in this column represent net average additions to the receiving waterway. This information was derived from the most recent permit application, dated July 17, 1971.
2. These values represent the intake concentrations reported in the permit application.
3. The values in this column represent net average additions to the receiving waterway.
4. This limit is based on the EPA Interim Effluent Guidance. The allowable pH range is 6-9.
5. BPCTCA - The values reported for the current discharge are either below levels normally treatable by BPCTCA or essentially not treatable by BPCTCA for this particular type of discharge. If water quality standards dictate effluent levels lower than the current discharge, then BAT or elimination of the discharge would be required.